

## CLAIMS

1. A system for enabling a Meta Object Facility (MOF) compliant service for a metadata resource, comprising:
  - a connector adapted to receive metadata from the metadata resource via a resource-specific application programming interface;
  - a metamodel repository storing one or more MOF models; and
  - a persistence interface between the connector and metamodel repository, configured to instantiate at least one MOF compliant service for the connector based on one of the MOF models in the metamodel repository.
2. A system in accordance with claim 1, wherein the metadata from the metadata resource is read incrementally and on-demand via the MOF compliant service.
3. A system in accordance with claim 1, wherein the MOF compliant service is a Java Metadata interface (JMI) service.
4. A system in accordance with claim 1, wherein the persistence interface is configured to provide instances of metadata objects and associations between metadata objects according to the MOF compliant service.
5. A system in accordance with claim 1, wherein the metamodel repository includes a repository server configured to generate code for the MOF compliant service.
6. A system in accordance with claim 1, wherein the MOF models are stored in one or more XMI files.

7. A method of enabling a Meta Object Facility (MOF) compliant service for a metadata resource communicating via a resource-specific application programming interface (API), comprising:

providing a connector to the resource-specific API, the connector adapted  
5 to receive metadata from the metadata resource;

registering the connector and resource-specific API with a repository  
server;

mapping the resource-specific API with one or more MOF models stored  
in the repository server; and

10 instantiating a MOF compliant service according to one of the MOF  
models mapped to the resource-specific API.

8. A method in accordance with claim 7, further comprising caching  
metadata from the repository server in the connector.

15 9. A method in accordance with claim 7, wherein the MOF models  
are stored in one or more XMI files.

10. A method in accordance with claim 7, wherein the MOF compliant  
20 service is a JMI service.